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(54) PROPYLENE POLYMER AND ITS MOLDED ARTICLE, AND PRODUCTION OF PROPYLENE POLYMER

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a propylene polymer that is excellent in low-temperature heat sealability and excellent in transparency and scratch resistance, or the like, and that is suitably used in the field of a packaging film.

SOLUTION: A propylene polymer has the properties as given below: (1) melting point  $T_m$  as measured by a differential scanning calorimeter is  $110^{\circ}\text{C} \leq T_m \leq 140^{\circ}\text{C}$ ; (2) heat of fusion  $\Delta H$  (J/g) as measured by the differential scanning calorimeter and the melting point  $T_m$  satisfy the relationship:  $\Delta H \geq 0.45 \mu T_m + 22$ ; (3) a half width  $T_h$  ( $^{\circ}\text{C}$ ) of a peak top of an elution curve as measured by temperature rising elution fractionation satisfies the relationship:  $T_h \leq 5$ ; and (4) an intrinsic viscosity  $[\eta]$  (dl/g) as measured in tetralin solvent at  $135^{\circ}\text{C}$  is 0.5-5.

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